



## SYSTEM PROFILE

# VR MAX

## INTENSIVE & SEMI-INTENSIVE HIGH PERFORMANCE BUILT-UP SYSTEM

### SYSTEM OVERVIEW

Tremco's VR MAX vegetated roof assemblies offer the design versatility you need with the performance parameters you dream of. With extremely high moisture to weight ratios, VR MAX green roofs will support any rooftop landscape, no matter how complex the roof, with planting options ranging from short grasses, meadows, wildflowers, and perennials, to shrubs and trees.

When pursuing certification through the U.S. Green Building Council's Leadership in Energy & Environmental Design (LEED) rating system, VR MAX

systems are the smart choice as they maximize points. VR MAX systems offer the highest storm water retention capacity in the world, while utilizing high recycled content, regionally-manufactured materials, and ecologically sustained plant life.

Designers are hard pressed to find a better vegetated roof system than Tremco's VR MAX. Do you want to achieve zero storm water runoff, energy efficiency through transpirative cooling, incredible moisture retention to weight ratios, and built-in biodiversity? These are all achievable with Tremco's VR MAX.

**SUSTAINABLE.  
BIODIVERSE.  
ENERGY EFFICIENT.  
ZERO RUNOFF.**

**UNEQUALED  
PERFORMANCE.**

### STANDARD FEATURES & OPTIONS

- The combined water retention panel and drainage board positively locks together for a secure fit
- A heavy-duty percolation layer increases drainage below the growing media and prevents root rot
- The slope retention system accommodates up to 45° slopes
- Systems utilize standard growing media depths of 4", 6" and 8", though VR Max will allow any depth of growing media to accommodate plant species selection (i.e. large ornamental grasses, shrubs, trees)

## SYSTEM DETAILS

# VR MAX

## INTENSIVE & SEMI-INTENSIVE HIGH PERFORMANCE BUILT-UP SYSTEM

### SYSTEM COMPONENTS

- A** ROOT BARRIER
- B** WATER RETENTION & DRAINAGE PANEL
- C** PERCOLATION LAYER  
WITH FILTER FABRIC OVERLAY
- D** ENGINEERED GROWING MEDIA
- E** VEGETATION OPTIONS:
  - SHORTGRASS MEADOW BLENDS
  - MEADOW BLENDS
  - WILDFLOWER MEADOW BLENDS
  - PERENNIALS
  - SHRUBS
  - TREES
- F** EDGING RESTRAINT
- G** VEGETATION-FREE ZONE



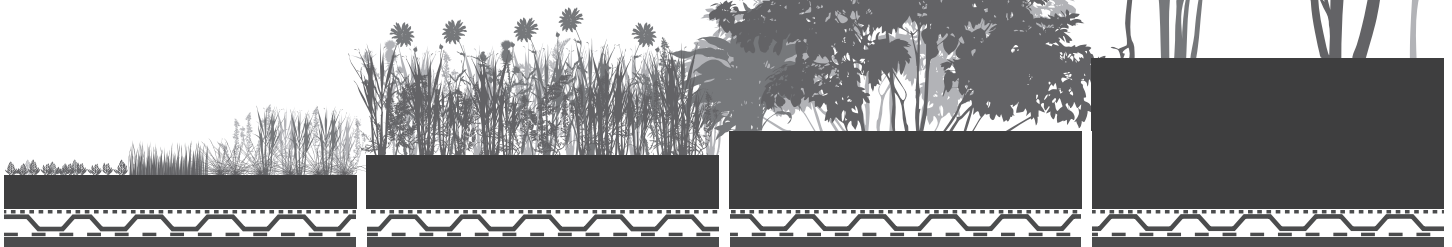


# TREMCO™ VR MAX

## SYSTEM CRITICAL DATA SHEET

### INTENSIVE & SEMI-INTENSIVE HIGH PERFORMANCE BUILT-UP SYSTEM

**ACCESSORIES** ROOT BARRIER  
DRAIN INSPECTION BOX  
EDGING RESTRAINT  
IRRIGATION  
SLOPE RETENTION SYSTEM



#### SYSTEM

**VR MAX 4**

**VR MAX 6**

**VR MAX 8**

**VR MAX +**

#### GROWING MEDIA DEPTH

4"  
100 MM

6"  
150 MM

8"  
200 MM

8" +  
200 MM +

#### VEGETATION OPTIONS

SHORTGRASS MEADOW  
PERENNIALS

SHORTGRASS MEADOW  
MEADOW  
WILDFLOWERS  
PERENNIALS

SHORTGRASS MEADOW  
MEADOW  
WILDFLOWERS  
PERENNIALS  
SELECT SHRUBS

SHORTGRASS MEADOW  
MEADOW  
WILDFLOWERS  
PERENNIALS  
SELECT SHRUBS  
TREES (24" MIN. MEDIA DEPTH)

#### SATURATED WEIGHT

24.5 - 27.0 LB/SQ. FT.  
120 - 130 KG/SQ. M.

36.0 - 39.0 LB/SQ. FT.  
175 - 190 KG/SQ. M.

47.0 - 50.5 LB/SQ. FT.  
230 - 245 KG/SQ. M.

> 49.0 LB/SQ. FT.  
> 240 KG/SQ. M.

#### STORM WATER RETENTION CAPACITY

1.50 - 2.10 GAL/SQ. FT.  
61 - 85 L/SQ. M.

2.20 - 3.10 GAL/SQ. FT.  
90 - 125 L/SQ. M.

2.80 - 4.00 GAL/SQ. FT.  
115 - 165 L/SQ. M.

> 4.00 GAL/SQ. FT.  
> 165 L/SQ. M.

VR MAX



Project:

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